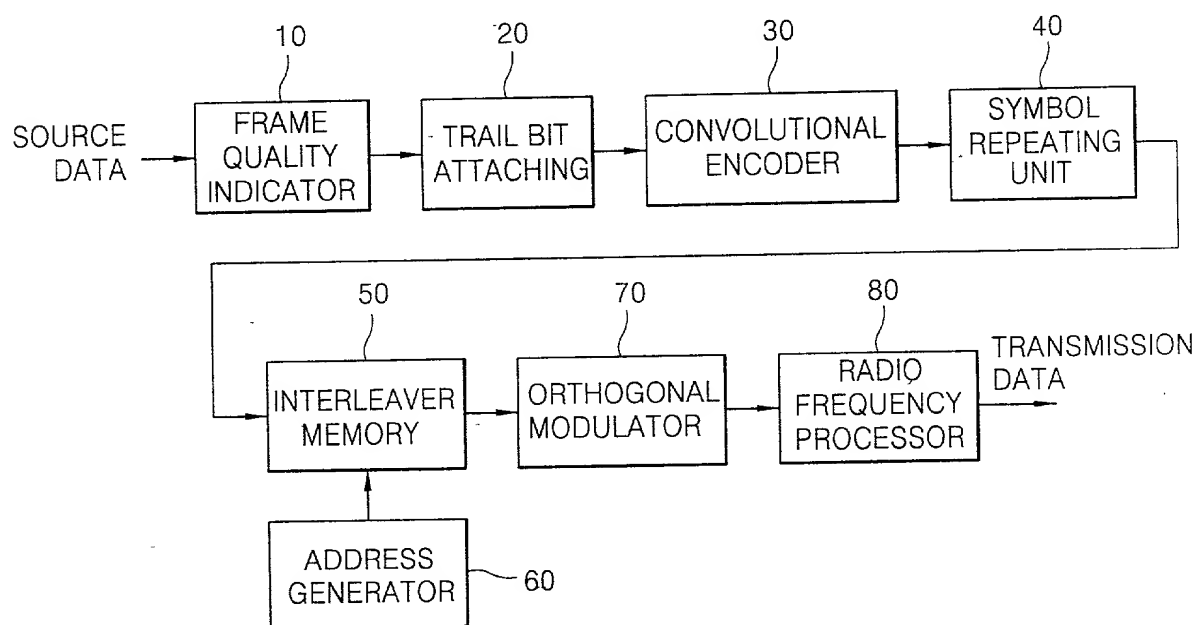


FIG. 1  
BACKGROUND ART



[illegible]

1	33	65	97	129	161	193	225	257	289	321	353	385	417	449	481	513	545
2	34	66	98	130	162	194	226	258	290	322	354	356	418	450	482	514	546
3	35	67														515	547
4	36		100													516	548
5	37			132												517	549
6	38				166											518	550
7	39					199										519	551
8	40						232									520	552
9	41							265								521	553
10	42								298							522	554
11	43									331						523	555
12	44										364					524	556
13	45											397				525	557
14	46												430			526	558
15	47													463		527	559
16	48														496	528	560
17	49	81														529	561
18	50		114													530	562
19	51			147												531	563
20	52				180											532	564
21	53					213										533	565
22	54						246									534	566
23	55							279								535	567
24	56								312							536	568
25	57									345						537	569
26	58										378					538	570
27	59											411				539	571
28	60												444			540	572
29	61													477		541	573
30	62														510	542	574
31	63	95	127	159	191	223	255	287	329	351	383	415	447	479	541	543	575
32	64	96	128	160	192	224	256	288	320	352	384	416	448	480	542	544	576

FIG. 3  
BACKGROUND ART

FULL  
RATE

1	33	.	.	.	.	.	513	545
2	34	.	.	.	.	.	514	546
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
31	63	.	.	.	.	.	543	575
32	64	.	.	.	.	.	544	576

HALF RATE  
(ONE TIMES  
REPEATION)

1	17	.	.	.	.	.	257	273
1	17	.	.	.	.	.	257	273
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
16	32	.	.	.	.	.	272	288
16	32	.	.	.	.	.	272	288

QUARTER  
RATE  
(3 TIMES  
REPEATION)

1	9	.	.	.	.	.	129	137
1	9	.	.	.	.	.	129	137
1	9	.	.	.	.	.	129	137
1	9	.	.	.	.	.	129	137
.	.	.	.	.	.	.	.	.
8	16	.	.	.	.	.	136	144
8	16	.	.	.	.	.	136	144

EIGHT RATE  
(7 TIMES  
REPEATION)

1	5	.	.	.	.	.	65	69
1	5	.	.	.	.	.	65	69
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
4	8	.	.	.	.	.	68	72
4	8	.	.	.	.	.	68	72

FIG. 3

FIG. 4  
BACKGROUND ART

ROW →

1	17	33	49	65	81	97	113	129	145	161	177
2	18	34	50	66	82	98	114	130	146	162	178
3	19	35	51	67	83	99	115	131	147	163	179
4	20	36	52	68	84	100	116	132	148	164	180
5	21	37	53	69	85	101	117	133	149	165	181
6	22	38	54	70	86	102	118	134	150	166	182
7	23	39	55	71	87	103	119	135	151	167	183
8	24	40	56	72	88	104	120	136	152	168	184
9	25	41	57	73	89	105	121	137	153	169	185
10	26	42	58	74	90	106	122	138	154	170	186
11	27	43	59	75	91	107	123	139	155	171	187
12	28	44	60	76	92	108	124	140	156	172	188
13	29	45	61	77	93	109	125	141	157	173	189
14	30	46	62	78	94	110	126	142	158	174	190
15	31	47	63	79	95	111	127	143	159	175	191
16	32	48	64	80	96	112	128	144	160	176	192

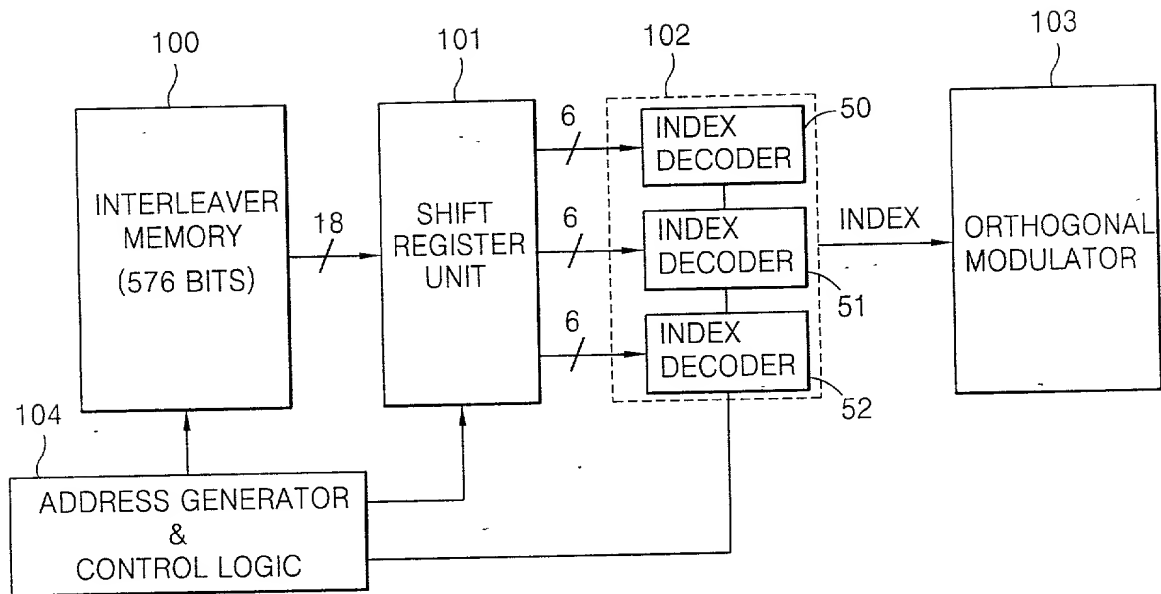
↑  
COLUMN

FIG. 5  
BACKGROUND ART

ROW	1												2											
ADDRESS																								
COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
ADDRESS	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
OUTPUT	1 17 33 49 65 81 97 113 129 145 161 177												2 18 34 50 66 82 98 114 130 146 162 178											
DATA																								
ROW	3												4											
ADDRESS																								
COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
ADDRESS	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
OUTPUT	3 19 35 51 67 83 99 115 131 147 163 179												4 20 36 52 68 84 100 116 132 148 164 180											
DATA																								
ROW	5												6											
ADDRESS																								
COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
ADDRESS	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
OUTPUT	5 21 37 53 69 85 101 117 148 133 165 181												6 22 38 54 70 86 102 118 134 150 166 182											
DATA																								
ROW	7												8											
ADDRESS																								
COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
ADDRESS	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
OUTPUT	7 23 39 55 71 87 103 119 135 151 167 183												8 24 40 56 72 88 104 120 136 152 168 184											
DATA																								
ROW	9												10											
ADDRESS																								
COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
ADDRESS	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
OUTPUT	9 25 41 57 73 89 105 121 137 153 169 185												10 26 42 58 74 90 106 122 138 154 170 186											
DATA																								
ROW	11												12											
ADDRESS																								
COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
ADDRESS	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
OUTPUT	11 27 43 59 75 91 107 123 139 155 171 187												12 28 44 60 76 92 108 124 140 156 172 188											
DATA																								
ROW	13												14											
ADDRESS																								
COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
ADDRESS	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
OUTPUT	13 29 45 61 77 93 109 125 141 157 173 189												14 30 46 62 78 94 110 126 142 158 174 190											
DATA																								
ROW	15												16											
ADDRESS																								
COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
ADDRESS	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
OUTPUT	15 31 47 63 79 95 111 127 143 159 175 191												16 32 48 64 80 96 112 128 144 160 176 192											
DATA																								

FIG. 5 BACKGROUND ART

FIG. 6



# FIG. 7

ROW	1	2
ADDRESS	1 17 33 49 65 81 97 113 129 145 161 177	2 18 34 50 66 82 98 114 130 146 162 178
OUTPUT DATA		
ROW	3	4
ADDRESS	3 19 35 51 67 83 99 115 131 147 163 179	4 20 36 52 68 84 100 116 132 148 164 180
OUTPUT DATA		
ROW	5	6
ADDRESS	5 21 37 53 69 85 101 117 133 149 165 181	6 22 38 54 70 86 102 118 134 150 166 182
OUTPUT DATA		
ROW	7	8
ADDRESS	7 23 39 55 71 87 103 119 135 151 167 183	8 24 40 56 72 88 104 120 136 152 168 184
OUTPUT DATA		
ROW	9	10
ADDRESS	9 25 41 57 73 89 105 121 137 153 169 185	10 26 42 58 74 90 106 122 138 154 170 186
OUTPUT DATA		
ROW	11	12
ADDRESS	11 27 43 59 75 91 107 123 139 155 171 187	12 28 44 60 76 92 108 124 140 156 172 188
OUTPUT DATA		
ROW	13	14
ADDRESS	13 29 45 61 77 93 109 125 141 157 173 189	14 30 46 62 78 94 110 126 142 158 174 190
OUTPUT DATA		
ROW	15	16
ADDRESS	15 31 47 63 79 95 111 127 143 159 175 191	16 32 48 64 80 96 112 128 144 160 176 192
OUTPUT DATA		

# FIG. 8

The diagram shows a table with 16 rows and 12 columns. The first two rows are identical. The next two rows are identical. The next two rows are identical. The next two rows are identical. The next two rows are identical. The next two rows are identical. The last two rows are identical. Annotations include: 'ROW' pointing to the first row, 'COLUMN' pointing to the first column, 'REPEATED DATA' pointing to the first two rows, and 'VAILD DATA' pointing to the last two rows.

1	9	17	25	33	41	49	57	65	73	81	89
1	9	17	25	33	41	49	57	65	73	81	89
2	10	18	26	34	42	50	58	66	74	82	90
2	10	18	26	34	42	50	58	66	74	82	90
3	11	19	27	35	43	51	59	67	75	83	91
3	11	19	27	35	43	51	59	67	75	83	91
4	12	20	28	36	44	52	60	68	76	84	92
4	12	20	28	36	44	52	60	68	76	84	92
5	13	21	29	37	45	53	61	69	77	85	93
5	13	21	29	37	45	53	61	69	77	85	93
6	14	22	30	38	46	54	62	70	78	86	94
6	14	22	30	38	46	54	62	70	78	86	94
7	15	23	31	39	47	55	63	71	79	87	95
7	15	23	31	39	47	55	63	71	79	87	95
8	16	24	32	40	48	56	64	72	80	88	96
8	16	24	32	40	48	56	64	72	80	88	96



# FIG. 9

ROW ADDRESS	1	2
OUTPUT DATA	1 9 17 25 33 41 49 57 65 73 81 89	X X X X X X X X X X X X
ROW ADDRESS	3	4
OUTPUT DATA	2 10 18 26 34 42 50 58 66 74 82 90	X X X X X X X X X X X X
ROW ADDRESS	5	6
OUTPUT DATA	3 11 19 27 35 43 51 59 67 75 83 91	X X X X X X X X X X X X
ROW ADDRESS	7	8
OUTPUT DATA	4 12 20 28 36 44 52 60 68 76 84 92	X X X X X X X X X X X X
ROW ADDRESS	9	10
OUTPUT DATA	5 13 21 29 37 45 53 61 69 77 85 93	X X X X X X X X X X X X
ROW ADDRESS	11	12
OUTPUT DATA	6 14 22 30 38 46 54 62 70 78 86 94	X X X X X X X X X X X X
ROW ADDRESS	13	14
OUTPUT DATA	7 15 23 31 39 47 55 63 71 79 87 95	X X X X X X X X X X X X
ROW ADDRESS	15	16
OUTPUT DATA	8 16 24 32 40 48 56 64 72 80 88 96	X X X X X X X X X X X X